

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An information processing apparatus comprising:
at least one processor;
at least one memory device storing instructions, which when executed by the at least one processor, cause the at least one processor to:

- (a) cause a transfer controller to control ~~controlling means for controlling~~ transfer of data;
- (b) count a ~~counting means for counting the~~ number of times said transfer controller ~~controlling means~~ has controlled the transfer of said data;
- (c) determine ~~first determining means for determining whether the number of times counted by said counting means is at least equal to a predetermined maximum count;~~
- (d) first instructing means which, if said number of times is found at least equal to said predetermined maximum count, ~~by said first determining means, then gives said transfer controlling means give~~ an instruction to stop the transfer of said data;
- (e) generate ~~generating means for generating an initializing vector for use in either encrypting or decrypting said data; of which the transfer is controlled by said transfer controlling means;~~
- (f) determine ~~second determining means for determining whether an instruction to have said initializing vector supplied is given by an external apparatus; to and from which is sent and received said data of which the transfer is controlled by said transfer controlling means;~~
- (g) second instructing means which, if the instruction to have said initializing vector supplied is found given by said external apparatus; ~~second determining means, then gives said generating means~~

- ~~(i) an instruction to generate said initializing vector; while giving said counting means~~
- ~~(ii) an instruction to reset the number of times having been counted; and~~
- ~~(iii) transfer said initializing vector to said external apparatus;~~
- ~~(h) outputting means which, if the instruction to stop the transfer of said data is given, output by said first instructing means, then outputting to said external apparatus a message indicating saying that the transfer of said data is stopped;~~
- ~~(i) after said instruction to generate the initializing vector is given, determine whether said external apparatus requests a reissue of said initializing vector; and~~
- ~~(j) if the external apparatus requests the reissue of said initializing vector:
 - ~~(i) generate a reissue initializing vector;~~
 - ~~(ii) reset the number of times having been counted; and~~
 - ~~(ii) transfer said reissue initialing vector to said external apparatus.~~~~

Claim 2 (canceled).

Claim 3 (currently amended): An information processing method comprising: ~~the steps of:~~

causing a transfer controller to control ~~controlling~~ transfer of data;

counting ~~a the~~ number of times said transfer controller ~~controlling step~~ has controlled the transfer of said data;

~~firstly~~ determining whether the number of times counted ~~in said counting step~~ is at least equal to a predetermined maximum count;

if said number of times is ~~found~~ at least equal to said predetermined maximum count, ~~in said first determining step~~, then ~~firstly~~ giving ~~in said transfer controlling step~~ an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data; ~~of which the transfer is controlled in said transfer controlling step;~~

~~secondly~~ determining whether an instruction to have said initializing vector supplied is given by an external apparatus; ~~to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step;~~

if the instruction to have said initializing vector supplied is ~~found~~ given by said external apparatus; ~~in said second determining step~~, then ~~secondly~~ giving ~~in said generating step~~ an instruction to generate

(a) generating said initializing vector; ~~while giving in said counting step an instruction to reset~~

(b) resetting the number of times having been counted; and

(c) transferring said initializing vector to said external apparatus;

if the instruction to stop the transfer of said data is given, ~~in said transfer controlling step~~, then outputting to said external apparatus a message indicating ~~saying~~ that the transfer of said data is stopped;

after said instruction to generate the initializing vector is given, determining whether said external apparatus requests a reissue of said initializing vector; and

if the external apparatus requests the reissue of said initializing vector:

(a) generating a reissued initializing vector;

(b) resetting the number of times having been counted; and

(c) transferring said reissued initialing vector to said external apparatus.

Claim 4 (currently amended): A computer readable medium encoded with a program for causing a computer to carry out a procedure comprising the steps of:

causing a transfer controller to control ~~controlling~~ transfer of data;

counting a the number of times said transfer controller ~~controlling step~~ has controlled the transfer of said data;

~~firstly determining whether the number of times counted in said counting step is at least equal to a predetermined maximum count;~~

if said number of times is ~~found~~ at least equal to said predetermined maximum count, ~~in said first determining step, then firstly giving in said transfer controlling step an instruction to stop the transfer of said data;~~

generating an initializing vector for use in either encrypting or decrypting said data; ~~of which the transfer is controlled in said transfer controlling step;~~

~~secondly determining whether an instruction to have said initializing vector supplied is given by an external apparatus; to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step;~~

if the instruction to have said initializing vector supplied is found given by said external apparatus; ~~in said second determining step, then secondly giving in said generating step an instruction to generate~~

(a) generating said initializing vector; ~~while giving in said counting step an instruction to reset~~

(b) resetting the number of times having been counted; and

(c) transferring said initializing vector to said external apparatus;

if the instruction to stop the transfer of said data is given, ~~in said transfer controlling step, then outputting to said external apparatus a message~~ indicating saying that the transfer of said data is stopped;-

after said instruction to generate the initializing vector is given, determining whether said external apparatus requests a reissue of said initializing vector; and

if the external apparatus requests the reissue of said initializing vector:

(a) generating a reissued initializing vector;

(b) resetting the number of times having been counted; and

(c) transferring said reissued initialing vector to said external apparatus.

Claim 5 (currently amended): A recording medium which records a computer-readable program for causing a computer to carry out a procedure comprising the steps of:

causing a transfer controller to control ~~controlling~~ transfer of data;

counting ~~a the~~ number of times said transfer controller ~~controlling step~~ has controlled the transfer of said data;

~~firstly~~ determining whether the number of times counted ~~in said counting step~~ is at least equal to a predetermined maximum count;

if said number of times is ~~found~~ at least equal to said predetermined maximum count, ~~in said first determining step, then firstly giving in said transfer controlling step~~ an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data; ~~of which the transfer is controlled in said transfer controlling step;~~

~~secondly~~ determining whether an instruction to have said initializing vector supplied is given by an external apparatus; ~~to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step;~~

if the instruction to have said initializing vector supplied is ~~found~~ given by said external apparatus; ~~in said second determining step, then secondly giving in said generating step an instruction to generate~~

(a) generating said initializing vector; ~~while giving in said counting step an instruction to reset~~

(b) resetting the number of times having been counted; and

(c) transferring said initializing vector to said external apparatus

if the instruction to stop the transfer of said data is given, ~~in said transfer controlling step, then outputting to said external apparatus a message~~ indicating saying that the transfer of said data is stopped;-

after said instruction to generate the initializing vector is given, determining whether said external apparatus requests a reissue of said initializing vector; and

if the external apparatus requests the reissue of said initializing vector:

(a) generating a reissued initializing vector;

(b) resetting the number of times having been counted; and

(c) transferring said reissued initialing vector to said external apparatus.